

## CLAIM AMENDMENTS

1                   1. (Currently amended) A therapeutic agent  
2   which comprises as therapeutically effective ingredients: alpha-  
3   ketoglutaric acid or its pharmaceutically effective salts and at  
4   least one compound promoting azomethine formation in an enzyme  
5   independent reaction and selected from the group consisting of  
6   5-hydroxymethyl-furfural, dehydroascorbic acid, malt and vanillin,  
7   whereby the mass ratio of the ketoglutaric acid to the at least  
8   azomethine formation promoting compound is greater than 1:1 wherein  
9   the therapeutic agent contains as further therapeutically effective  
10 ingredients:  
11 N-acetyl-seleno-L-methionine and N-acetyl-L-methionine whereby the  
12 latter is present in excess with respect to the former, in an  
13 amount sufficient to suppress uptake of the N-acetyl-seleno-L-  
14 methionine into body tissues.

1                   2. (previously presented) The therapeutic  
2   agent according to claim 1 characterized in that the mass ratio of  
3   alpha-ketoglutaric acid to N-acetyl-seleno-L-methionine is 100:1 to  
4   20000:1.

1                   3. (Currently amended) The therapeutic agent  
2   according to claim 1 wherein the mass ratio of N-acetyl-L-methioni  
3   ne to N-acetyl-seleno-L-methionine is 20:1 to 300:1.

1                   4. (previously presented) The therapeutic  
2 agent according to claim 1 wherein it further comprises glucose,  
3 fructose or a mixture thereof.

1                   5. (previously presented) The therapeutic  
2 agent according to claim 1 wherein the compound promoting azome-  
3 thine formation is 5-hydroxymethylfurfural.

1                   6. (previously presented) The therapeutic  
2 agent according to claim 1, wherein it is put up in an aqueous  
3 solution and the N-acetyl-seleno-L-methionine is present in an  
4 amount of 1.4 to 2.3 mg/l and the N-acetyl-L-methionine is present  
5 in an amount of 70 to 230 mg/l.

1                   7. (previously presented) The therapeutic  
2 agent according to claim 4 wherein it contains an electrolyte from  
3 the group of sodium or potassium.

1                   8. (previously presented) The therapeutic  
2 agent according to claim 1 wherein it is administered intravenously  
3 and has a pH value of 4 to 6.

1                   9. (currently amended) The therapeutic agent  
2 according to claim 4 or claim 7 wherein the alpha-ketoglutaric acid  
3 is present in a concentration of 3 to 20 g/l, the compound promot-  
4 ing ~~azomethionine~~ azomethine formation is 5-hydroxymethylfurfural  
5 present in a concentration of 1 to 3 g/l, the glucose is present in  
6 a concentration of 20 to 100 g/l, the sodium ion is present in a

7 concentration of 60 to 160 mmol/l and the potassium ion is present  
8 in a concentration of 15 to 40 mmol/l.

1 10. (previously presented) The therapeutic  
2 agent according to claim 9 wherein the alpha-ketoglutaric acid is  
3 present in a concentration of 6 to 16 g/l, 5-hydroxymethylfurfural  
4 is present in a concentration of 1 to 2.5 g/l, the glucose in a  
5 concentration of 20 to 50 g/l, the sodium ion in a concentration of  
6 70 to 160 mmol/l and the potassium ion is present in a concentra-  
7 tion of 20 to 40 mmol/l.

1 11. (previously presented) The therapeutic  
2 agent according to claim 1 which is put up in a solid or liquid or  
3 oral or rectal administration dosage form which contains the  
4 ketoglutaric acid at least in part in the form of a monosodium or  
5 monopotassium salt thereof.

1 12. (previously presented) The therapeutic  
2 agent according to claim 11 which further comprises a lubricating  
3 agent and/or extender and/or a taste improving disaccharide.

1 13. (previously presented) The therapeutic  
2 agent according to claim 11 which comprises in the dosage unit 3 to  
3 9 g of alpha-ketoglutaric acid, 0.5 to 1.5 g 5-hydroxymethyl-  
4 furfural, 1.4 to 2.3 mg N-acetyl-seleno-L-methionine and 70 to 230  
5 mg of N-acetyl-L-methionine.

1 14. (Previously presented) A method of making  
2 a therapeutic agent in a form suitable for intravenous administra-

3 tion according to claim 8 wherein the alpha-ketoglutaric acid is  
4 dissolved at elevated temperature in distilled water which has had  
5 its oxygen content reduced by a gasification and glucose or fruc-  
6 tose added to it together with alkalies other than ammonia or  
7 amines, the pH being adjusted to be in a range of 4 to 6 and  
8 N-acetyl-seleno-L-methionine, N-acetyl-L-methionine and the com-  
9 pound promoting azomethine formation.

1 15. (Currently amended) A method of making a  
2 preparation suitable for oral or rectal administration according to  
3 claim 11 wherein to adjust the pH from 3 to 6 the ketoglutaric acid  
4 is partly to entirely used in the form of its monosalt with sodium  
5 and/or potassium and in which extenders and if desired also  
6 disaccharides are mixed therewith and to this mixture the compound  
7 promoting azomethine formation, the N-acetyl-seleno-L-methionine  
8 and the N-acetyl-L-methionine are added whereupon the mixture is  
9 put up in the desired form of administering as a ~~particulate~~ parti-  
10 cle, granulate, in tablets, or in an irrigating liquid.

16. (canceled)

17. (canceled)

1 18. (Currently amended) A cytocidal method of  
2 treating a malignant breast, uterine, esophageal, bladder or lung  
3 tumor in a patient afflicted with said malignant tumor which  
4 comprises the step of administering to said patient, an amount of  
5 the therapeutic agent defined in claim 1, effective to treat the  
6 malignant tumor by suppressing angiogenic activity of the tumor.

1                   19. (previously presented) The cytocidal method  
2 of treating a malignant tumor defined in claim 18 wherein the  
3 therapeutic agent is administered to the patient orally, rectally,  
4 in the form of an irrigation, or as an intravenous infusion.

1                   20. (previously presented) The cytocidal  
2 method of treating a malignant tumor defined in claim 19 wherein  
3 the therapeutic agent is administered to the patient as an intrave-  
4 nous infusion.

21. (Canceled)

22. (canceled)

1                   23. (New) A therapeutic agent administrable as  
2 an intravenous infusion, which consists essentially of:  
3 alpha-ketoglutaric acid                   3 - 20 g/l  
4 5-hydroxymethylfurfural                 1 - 3 g/l  
5 N-acetyl-seleno-L-methionine           1.4 - 2.3 mg/l  
6 N-acetyl-L-methionine                   70 - 230 mg/l  
7 glucose                                   20 - 100 g/l  
8 sodium ion                               60 - 160 mmol/l and  
9 potassium ion                            15 - 40 mmol/l  
10 in combination with a pharmaceutically acceptable inert carrier  
11 suitable for intravenous administration.

1                   24. (New) A cytocidal method of treating a  
2 malignant breast, uterine, esophageal, bladder or lung tumor in a  
3 patient afflicted with said malignant tumor which comprises the  
4 step of administering to said patient, by intravenous infusion, an  
5 amount of the therapeutic agent defined in claim 23, effective to  
6 treat the malignant tumor by suppressing angiogenic activity of the  
7 tumor.

1                   25. (New) The therapeutic agent administrable  
2 as an intravenous infusion, defined in claim 23 wherein the alpha-  
3 ketoglutaric acid is present in an amount of 9.0 g/l; the  
4 5-hydroxymethylfurfural is present in an amount of 3.0 g/l; the  
5 N-acetyl-seleno-L-methionine is present in an amount of 2.0 mg/l;  
6 and the N-acetyl-L-methionine is present in an amount of 100 mg/l.

1                   26. (New) A cytocidal method of treating a  
2 breast, uterine, esophageal, bladder or lung carcinoma in a patient  
3 afflicted with said carcinoma which comprises the step of  
4 administering to said patient, by intravenous infusion, an amount  
5 of the therapeutic agent defined in claim 25, effective to treat  
6 the carcinoma by suppressing angiogenic activity of the carcinoma.